

PSG sound_expansion BOM

#	UT_DEVICE	UT_VALUE	UT_PKGTYPE	Refdes	Farnell code
1	74HCT02	74HCT02	SOIC14	U5	3006460
1	74HCT08	74HCT08	SOIC14	U3	1014075
1	74HCT11	74HCT11	SOIC14	U4	2777757
1	74HCT74	74HCT74	SOIC14	U2	1013996
1	AY-3-8912 *	-	DIP28	U1	Not Available use Alibaba
1	BC847B	BC847B	&TRA_SOT23R	T1	1653607
1	BSS138	BSS138	\$FET_2N7002	T2	2053833
1	SSW-123-01-T-D	HDR_23	EDGE_CON_23_TOP	J3B	2779596
1	HDR1X2	HDR_2	HDR2	J4	2751457
1	HDR1X3	HDR1X3	HDR3	J3	1258954
1	HDR2X3	HDR2X3	HDR2X3	J2	1258966
1	LED_3MM.HOR_RED	LED 3MM HOR. RED	LED3R2_5HX	D1	3780503
1	LT1117CST-5\?SOT223	LT1117CST3.3	SOT223	U6	3588827
1	Cliff FC68131	PSG01538	PSG01538	CO1	2518188
1	RESISTOR	100R	R1206	R19	2073880
4	RESISTOR	390E	R1206	R1,R4,R5,R6	2074647
1	RESISTOR	470E	R1206	R21	2073928
2	RESISTOR	820E	R1206	R2,R3	3127892
1	RESISTOR	1K	R1206	R9	2073881
9	RESISTOR	10K	R1206	R15,R29,R7,R8,R10,R22,R11,R12,R13	2074545
5	RESISTOR	15K	R1206	R25,R18,R20,R23,R24	2331880
3	RESISTOR	47K	R1206	R26,R27,R28	3127888
3	RESISTOR	100K	R1206	R14,R16,R17	2826380
4	ELCO	10uF	EEUFCOJ101	C2,C3,C4,C1	2920032

* The General Instruments AY-3-8912 Programmable sound generator is no longer made and no common reseller has one in their program anymore, so you need to get it from some old stock sources: Don't try to replace it with a "substitute" like the AY-3-8910 or the AY-3-8913 which have no or two GPIO ports